Bernard Thbaud

List of Publications by Year in Descending Order

99 papers	4,344 citations	30 h-index	65 g-index
114 ext. papers	5,336 ext. citations	5.9 avg, IF	5.8 L-index

#	Paper	IF	Citations
99	The differentiation of embryonic stem cells and induced pluripotent stem cells into airway and alveolar epithelial cells **2022**, 95-127		
98	The comprehensive transcriptome of human ductus arteriosus smooth muscle cells (hDASMC).. *Data in Brief*, **2022**, 40, 107736	1.2	
97	A systematic approach to enhance transparency in mesenchymal stromal cell research.. *Cytotherapy* , **2022**,	4.8	0
96	The elusive pulmonary neuroendocrine cell: How rare diseases may help solving common diseases.. *Developmental Cell*, **2022**, 57, 837-838	10.2	1
95	Preempting Bronchopulmonary Dysplasia: Time to Focus on the Placenta?. *American Journal of Respiratory Cell and Molecular Biology*, **2021**,	5.7	1
94	Establishment of a consensus definition for mesenchymal stromal cells (MSC) and reporting guidelines for clinical trials of MSC therapy: a modified Delphi study protocol. *BMJ Open*, **2021**, 11, e054740	3	1
93	Characterization of the innate immune response in a novel murine model mimicking bronchopulmonary dysplasia. *Pediatric Research*, **2021**, 89, 803-813	3.2	2
92	Surrogate Humane Endpoints in Small Animal Models of Acute Lung Injury: A Modified Delphi Consensus Study of Researchers and Laboratory Animal Veterinarians. *Critical Care Medicine*, **2021**, 49, 311-323	1.4	2
91	Fully automated estimation of the mean linear intercept in histopathology images of mouse lung tissue. *Journal of Medical Imaging*, **2021**, 8, 027501	2.6	1
90	Insights into the mechanisms of alveolarization - Implications for lung regeneration and cell therapies. *Seminars in Fetal and Neonatal Medicine*, **2021**, 101243	3.7	0
89	Pathogenesis of bronchopulmonary dysplasia **2021**, 50-67		2
88	Benefits and obstacles to cell therapy in neonates: The INCuBAToR (Innovative Neonatal Cellular Therapy for Bronchopulmonary Dysplasia: Accelerating Translation of Research). *Stem Cells Translational Medicine*, **2021**, 10, 968-975	6.9	3
87	Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. *Nature Communications*, **2021**, 12, 1565	17.4	10
86	The molecular mechanisms of oxygen-sensing in human ductus arteriosus smooth muscle cells: A comprehensive transcriptome profile reveals a central role for mitochondria. *Genomics*, **2021**, 113, 3128-3140	4.3	3
85	Characterization of a New Monocrotaline Rat Model to Study Chronic Neonatal Pulmonary Hypertension. *American Journal of Respiratory Cell and Molecular Biology*, **2021**, 65, 331-334	5.7	1
84	Mesenchymal stromal cell extracellular vesicles as therapy for acute and chronic respiratory diseases: A meta-analysis. *Journal of Extracellular Vesicles*, **2021**, 10, e12141	16.4	7
83	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. *Molecular Biology Reports*, **2020**, 47, 4105-4108	2.8	

82	How to introduce MSC-based therapy for the developing lung safely into clinical care?. *Pediatric Research*, **2020**, 88, 365-368	3.2	4
81	Lifetime patient outcomes and healthcare utilization for Bronchopulmonary dysplasia (BPD) and extreme preterm infants: a microsimulation study. *BMC Pediatrics*, **2020**, 20, 136	2.6	7
80	Late Rescue Therapy with Cord-Derived Mesenchymal Stromal Cells for Established Lung Injury in Experimental Bronchopulmonary Dysplasia. *Stem Cells and Development*, **2020**, 29, 364-371	4.4	4
79	Are all stem cells equal? Systematic review, evidence map, and meta-analyses of preclinical stem cell-based therapies for bronchopulmonary dysplasia. *Stem Cells Translational Medicine*, **2020**, 9, 158-168	6.9	14
78	A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency. *Nature Communications*, **2020**, 11, 3929	17.4	12
77	Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants. *The Cochrane Library*, **2020**, 8, CD013202	5.2	9
76	Stem cell therapy for preventing neonatal diseases in the 21st century: Current understanding and challenges. *Pediatric Research*, **2020**, 87, 265-276	3.2	28
75	Effect of oxygen saturation targets on the incidence of bronchopulmonary dysplasia and duration of respiratory supports in extremely preterm infants. *Paediatrics and Child Health*, **2020**, 25, 173-179	0.7	3
74	So You Want to Give Stem Cells to Babies? Neonatologists and Parents' Views to Optimize Clinical Trials. *Journal of Pediatrics*, **2019**, 210, 41-47.e1	3.6	10
73	Stem Cells for Extreme Prematurity. *American Journal of Perinatology*, **2019**, 36, S68-S73	3.3	5
72	Bronchopulmonary dysplasia. *Nature Reviews Disease Primers*, **2019**, 5, 78	51.1	205
71	Factors Impacting Physician Recommendation for Tracheostomy Placement in Pediatric Prolonged Mechanical Ventilation: A Cross-Sectional Survey on Stated Practice. *Pediatric Critical Care Medicine*, **2019**, 20, e423-e431	3	6
70	Oxygen Disrupts Human Fetal Lung Mesenchymal Cells. Implications for Bronchopulmonary Dysplasia. *American Journal of Respiratory Cell and Molecular Biology*, **2019**, 60, 592-600	5.7	20
69	Stem Cell Therapy in Neonates□he Time Has (Almost) Come **2019**, 1-18		
68	Preventing bronchopulmonary dysplasia: new tools for an old challenge. *Pediatric Research*, **2019**, 85, 432-441	3.2	19
67	Target oxygen saturation and development of pulmonary hypertension and increased pulmonary vascular resistance in preterm infants. *Pediatric Pulmonology*, **2019**, 54, 73-81	3.5	9
66	Endothelial cells of different organs exhibit heterogeneity in von Willebrand factor expression in response to hypoxia. *Atherosclerosis*, **2019**, 282, 1-10	3.1	8
65	Cell-based therapy for bronchopulmonary dysplasia in preterm infants. *Canadian Journal of Physiology and Pharmacology*, **2019**, 97, 232-234	2.4	4

64	Novel therapeutics for bronchopulmonary dysplasia. *Current Opinion in Pediatrics*, **2018**, 30, 378-383	3.2	11
63	Mesenchymal Stromal Cell Therapy for Respiratory Complications of Extreme Prematurity. *American Journal of Perinatology*, **2018**, 35, 566-569	3.3	6
62	Bronchopulmonary Dysplasia: Executive Summary of a Workshop. *Journal of Pediatrics*, **2018**, 197, 300-308	3.6	264
61	Human induced pluripotent stem cell-derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. *Cytotherapy*, **2018**, 20, 108-125	4.8	31
60	Stem cell biology and regenerative medicine for neonatal lung diseases. *Pediatric Research*, **2018**, 83, 291-297	3.2	21
59	Stem cell-based therapies in neonatology: a new hope. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2018**, 103, F583-F588	4.7	8
58	Impaired Angiogenic Supportive Capacity and Altered Gene Expression Profile of Resident CD146 Mesenchymal Stromal Cells Isolated from Hyperoxia-Injured Neonatal Rat Lungs. *Stem Cells and Development*, **2018**, 27, 1109-1124	4.4	16
57	Endothelial Colony-Forming Cells in Young Adults Born Preterm: A Novel Link Between Neonatal Complications and Adult Risks for Cardiovascular Disease. *Journal of the American Heart Association* , **2018**, 7,	6	15
56	The Therapeutic Potential of Stem Cells for Bronchopulmonary Dysplasia: "It's About Time" or "Not so Fast" ?. *Current Pediatric Reviews*, **2018**, 14, 227-238	2.8	15
55	Endothelial colony-forming cell therapy for heart morphological changes after neonatal high oxygen exposure in rats, a model of complications of prematurity. *Physiological Reports*, **2018**, 6, e13922	2.6	3
54	Nanotherapies for micropreemies: Stem cells and the secretome in bronchopulmonary dysplasia. *Seminars in Perinatology*, **2018**, 42, 453-458	3.3	21
53	Human Umbilical Cord Mesenchymal Stromal Cells Improve Survival and Bacterial Clearance in Neonatal Sepsis in Rats. *Stem Cells and Development*, **2017**, 26, 1054-1064	4.4	27
52	Bronchopulmonary Dysplasia: Where Have All the Stem Cells Gone?: Origin and (Potential) Function of Resident Lung Stem Cells. *Chest*, **2017**, 152, 1043-1052	5.3	32
51	Can We Cure Bronchopulmonary Dysplasia?. *Journal of Pediatrics*, **2017**, 191, 12-14	3.6	10
50	Mesenchymal Stromal Cell Therapy in Bronchopulmonary Dysplasia: Systematic Review and Meta-Analysis of Preclinical Studies. *Stem Cells Translational Medicine*, **2017**, 6, 2079-2093	6.9	81
49	Mesenchymal stem cells for the prevention and treatment of bronchopulmonary dysplasia in preterm infants. *The Cochrane Library*, **2017**, 11, CD011932	5.2	23
48	Cell-based therapies for neonatal lung disease. *Cell and Tissue Research*, **2017**, 367, 737-745	4.2	14
47	Endothelial Progenitor Cells as Prognostic Markers of Preterm Birth-Associated Complications. *Stem Cells Translational Medicine*, **2017**, 6, 7-13	6.9	22

46	Long-term follow-up of cardiorespiratory outcomes in children born extremely preterm: Recommendations from a Canadian consensus workshop. *Paediatrics and Child Health*, **2017**, 22, 75-79	0.7	7
45	Unique aspects of the developing lung circulation: structural development and regulation of vasomotor tone. *Pulmonary Circulation*, **2016**, 6, 407-425	2.7	24
44	Cell Therapy for Bronchopulmonary Dysplasia: Promises and Perils. *Paediatric Respiratory Reviews*, **2016**, 20, 33-41	4.8	15
43	Functional Differences Between Placental Micro- and Macrovascular Endothelial Colony-Forming Cells. *Stem Cells Translational Medicine*, **2016**, 5, 291-300	6.9	18
42	Isolation of CD146+ Resident Lung Mesenchymal Stromal Cells from Rat Lungs. *Journal of Visualized Experiments*, **2016**,	1.6	3
41	In Reply. *Stem Cells Translational Medicine*, **2016**, 5, 703-4	6.9	
40	Impact of bronchopulmonary dysplasia on brain and retina. *Biology Open*, **2016**, 5, 475-83	2.2	14
39	Preterm birth: risk factor for early-onset chronic diseases. *Cmaj*, **2016**, 188, 736-746	3.5	57
38	Not another steroid trial: early low-dose hydrocortisone in preterm infants. *Lancet, The*, **2016**, 387, 1793-4	46	3
37	Mesenchymal Stromal Cell-Based Therapies for Chronic Lung Disease of Prematurity. *American Journal of Perinatology*, **2016**, 33, 1043-9	3.3	6
36	The isolation and culture of endothelial colony-forming cells from human and rat lungs. *Nature Protocols*, **2015**, 10, 1697-708	18.8	58
35	Bronchopulmonary Dysplasia and Chronic Lung Disease: Stem Cell Therapy. *Clinics in Perinatology*, **2015**, 42, 889-910	2.8	14
34	Mesenchymal Stromal Cells in Animal Bleomycin Pulmonary Fibrosis Models: A Systematic Review. *Stem Cells Translational Medicine*, **2015**, 4, 1500-10	6.9	75
33	Stem Cells and Their Mediators - Next Generation Therapy for Bronchopulmonary Dysplasia. *Frontiers in Medicine*, **2015**, 2, 50	4.9	22
32	Lung Vasculogenesis and Angiogenesis. *Pancreatic Islet Biology*, **2015**, 25-41	0.4	
31	Stem cell-based therapy for neonatal lung disease: it is in the juice. *Pediatric Research*, **2014**, 75, 2-7	3.2	74
30	Stem cells in animal asthma models: a systematic review. *Cytotherapy*, **2014**, 16, 1629-42	4.8	17
29	Existence, functional impairment, and lung repair potential of endothelial colony-forming cells in oxygen-induced arrested alveolar growth. *Circulation*, **2014**, 129, 2144-57	16.7	114

28	Advances in bronchopulmonary dysplasia. *Expert Review of Respiratory Medicine*, **2014**, 8, 327-38	3.8	29
27	Metabolomics of prematurity: analysis of patterns of amino acids, enzymes, and endocrine markers by categories of gestational age. *Pediatric Research*, **2014**, 75, 367-73	3.2	33
26	Animal models of bronchopulmonary dysplasia. The term rat models. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2014**, 307, L948-58	5.8	138
25	Lung mesenchymal stromal cells in development and disease: to serve and protect?. *Antioxidants and Redox Signaling*, **2014**, 21, 1849-62	8.4	36
24	Doppler parameters of fetal lung hypoplasia and impact of sildenafil. *American Journal of Obstetrics and Gynecology*, **2014**, 211, 263.e1-8	6.4	16
23	Exogenous hydrogen sulfide (H2S) protects alveolar growth in experimental O2-induced neonatal lung injury. *PLoS ONE*, **2014**, 9, e90965	3.7	40
22	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. *Thorax*, **2013**, 68, 475-84	7.3	179
21	The axonal guidance cue semaphorin 3C contributes to alveolar growth and repair. *PLoS ONE*, **2013**, 8, e67225	3.7	29
20	Stem cell conditioned medium improves acute lung injury in mice: in vivo evidence for stem cell paracrine action. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2012**, 303, L967-77	5.8	242
19	Airway delivery of soluble factors from plastic-adherent bone marrow cells prevents murine asthma. *American Journal of Respiratory Cell and Molecular Biology*, **2012**, 46, 207-16	5.7	58
18	Preconditioning enhances the paracrine effect of mesenchymal stem cells in preventing oxygen-induced neonatal lung injury in rats. *Stem Cells and Development*, **2012**, 21, 2789-97	4.4	124
17	Activation of Akt protects alveoli from neonatal oxygen-induced lung injury. *American Journal of Respiratory Cell and Molecular Biology*, **2011**, 44, 146-54	5.7	41
16	Update in pediatric lung disease 2010. *American Journal of Respiratory and Critical Care Medicine*, **2011**, 183, 1477-81	10.2	6
15	Patent ductus arteriosus in premature infants: A never-closing act. *Paediatrics and Child Health*, **2010**, 15, 267-70	0.7	10
14	Adrenomedullin promotes lung angiogenesis, alveolar development, and repair. *American Journal of Respiratory Cell and Molecular Biology*, **2010**, 43, 152-60	5.7	44
13	L-citrulline attenuates arrested alveolar growth and pulmonary hypertension in oxygen-induced lung injury in newborn rats. *Pediatric Research*, **2010**, 68, 519-25	3.2	62
12	Airway delivery of mesenchymal stem cells prevents arrested alveolar growth in neonatal lung injury in rats. *American Journal of Respiratory and Critical Care Medicine*, **2009**, 180, 1131-42	10.2	360
11	Pulmonary hypertension associated with congenital diaphragmatic hernia. *Cardiology in the Young*, **2009**, 19 Suppl 1, 49-53	1	15

10	Developmental absence of the O2 sensitivity of L-type calcium channels in preterm ductus arteriosus smooth muscle cells impairs O2 constriction contributing to patent ductus arteriosus. *Pediatric Research*, **2008**, 63, 176-81	3.2	42
9	A Central Role for Oxygen-Sensitive K+ Channels and Mitochondria in the Specialized Oxygen-Sensing System. *Novartis Foundation Symposium*, **2008**, 157-175		17
8	Angiogenesis in lung development, injury and repair: implications for chronic lung disease of prematurity. *Neonatology*, **2007**, 91, 291-7	4	109
7	Bronchopulmonary dysplasia: where have all the vessels gone? Roles of angiogenic growth factors in chronic lung disease. *American Journal of Respiratory and Critical Care Medicine*, **2007**, 175, 978-85	10.2	415
6	Commentary on Ibuprofen for the prevention of patent ductus arteriosus in preterm and/or low birth weight infants and Ibuprofen for the treatment of patent ductus arteriosus in preterm and/or low birth weight infants *Evidence-Based Child Health: A Cochrane Review Journal*, **2006**, 1, 850-853		
5	Sildenafil improves alveolar growth and pulmonary hypertension in hyperoxia-induced lung injury. *American Journal of Respiratory and Critical Care Medicine*, **2005**, 172, 750-6	10.2	152
4	Vascular endothelial growth factor gene therapy increases survival, promotes lung angiogenesis, and prevents alveolar damage in hyperoxia-induced lung injury: evidence that angiogenesis participates in alveolarization. *Circulation*, **2005**, 112, 2477-86	16.7	418
3	Oxygen-sensitive Kv channel gene transfer confers oxygen responsiveness to preterm rabbit and remodeled human ductus arteriosus: implications for infants with patent ductus arteriosus. *Circulation*, **2004**, 110, 1372-9	16.7	89
2	Sildenafil reverses O2 constriction of the rabbit ductus arteriosus by inhibiting type 5 phosphodiesterase and activating BK(Ca) channels. *Pediatric Research*, **2002**, 52, 19-24	3.2	36
1	Pulmonary Endothelial Progenitor Cells203-216		1